

XP-002119014

- 1/1 - (C) WPI / DERWENT
AN - 1995-287962 q38!
AP - JP19930018654 19930205
PR - JP19920325305 19921204; JP19920022657 19920207;
JP19920249240 19920918
TI - An HCV proteinase active substance - which has activity
as an anti-HCV agent and can be used to screen for
proteinase inhibitors
IW - PROTEINASE ACTIVE SUBSTANCE ACTIVE ANTI AGENT CAN
SCREEN PROTEINASE INHIBIT
PA - (KAEN-I) KAENNO K
- (SOYA-N) SOYAKU GIJUTSU KENKYUSHO KK
- (SUMQ) SUMITOMO METAL IND LTD
PN - JP7184648 A 19950725 DW199538 C12N9/50 052pp
ORD - 1995-07-25
IC - C07K14/18 ; C07K14/47 ; C12N1/21 ; C12N9/50 ; C12N15/09
; G01N33/576
FS - CPI;EPI
DC - B04 D16 S03
AB - J07184648 A proteinase (I) contg. the 336 amino acid
sequence (Sequence 1 in the specification) or its
fragments or a proteinase (II) contg. the 916 amino
acid sequence (Sequence 2 in the specification) or its
fragments. Also claimed are (1) a DNA sequence contg. a
DNA encoding (I) or (II); (2) a vector contg. the above
DNA sequence, (3) a cell transformed by the vector of
(2), (4) prepn. of the above proteinase by culturing
the above transformant, (5) an assay of HCV proteinase
activity by detecting the progress of the cleavage
reaction of HCV using the above proteinase in which (i)
purified HCV proteinase is reacted with a substrate
polypeptide contg. an amino acid sequence cleaved by
HCV proteinase in vitro or (ii) HCV proteinase and the
substrate protein are expressed at the same time in a
cell-free translation system using E.coli, an animal
culture cell, an insect cell, or rabbit reticulocyte
haemolytic soln. and reacting proteinase with the
substrate in a cell or in a cell-free translation
system.
- USE - The proteinase can be used as an anti-HCV agent.
It can also be used to screen compounds for their

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ability to inhibit its proteolytic capabilities. In this way proteinase inhibitors can be identified.

- ADVANTAGE - The proteinase can be produced in high yield.
- (Dwg. 0/11)

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